

What is claimed is:

1. A printing-fluid container, comprising:
a reservoir including a leading surface having an outer perimeter; and
redundant interface elements recessed from the leading surface interior
5 the outer perimeter.

2. The printing-fluid container of claim 1, wherein the redundant
interface elements include a plurality of alignment pockets.

10 3. The printing-fluid container of claim 2, wherein the plurality of
alignment pockets are of substantially similar size and shape.

4. The printing-fluid container of claim 2, wherein the plurality of
alignment pockets are substantially vertically aligned on the leading surface.

15 5. The printing-fluid container of claim 1, wherein the redundant
interface elements include a plurality of keying pockets.

20 6. The printing-fluid container of claim 5, wherein the plurality of
keying pockets are of substantially similar size and shape.

7. The printing fluid container of claim 6, wherein at least one of the
plurality of keying pockets has an orientation corresponding to at least one other
of the plurality of keying pockets.

25 8. The printing-fluid container of claim 5, wherein the plurality of
keying pockets are substantially vertically aligned on the leading surface.

30 9. The printing-fluid container of claim 1, wherein the leading surface
is substantially planar.

10. The printing-fluid container of claim 1, further comprising an ink-interface and an air-interface recessed from the leading surface interior the outer perimeter.

5 11. The printing-fluid container of claim 1, further comprising an electrical interface on the leading service.

12. A printing-fluid container, comprising:

a reservoir including an outer-face;

10 a first keying pocket recessed from the outer-face of the reservoir and configured to mate with a first outwardly-extending key post of a printing-fluid container bay; and

a second keying pocket recessed from the outer-face of the reservoir and configured to mate with a second outwardly-extending key post of the printing-
15 fluid container bay.

13. The printing-fluid container of claim 12, wherein the first keying pocket has an orientation which designates a printing fluid held by the reservoir.

20 14. The printing-fluid container of claim 13, wherein the orientation of the first keying pocket is one of a plurality of different orientations, each designating a different printing fluid.

25 15. The printing-fluid container of claim 12, wherein the first keying pocket is configured to prevent the printing-fluid container from being seated in a printing-fluid container bay adapted to extract a printing fluid other than a printing fluid held within the reservoir.

16. The printing-fluid container of claim 12, wherein the first and second keying pockets have a collective orientation characterized by an individual orientation of the first keying pocket and an individual orientation of the second keying pocket, the collective orientation being configured to designate a printing fluid held by the reservoir.

17. The printing-fluid container of claim 16, wherein the collective orientation is one of a plurality of different collective orientations, each designating a different printing fluid.

18. The printing-fluid container of claim 12, wherein the first keying pocket and the second keying pocket collectively prevent the printing-fluid container from being seated in a printing-fluid container bay adapted to extract a printing fluid other than a printing fluid held within the reservoir.

19. The printing-fluid container of claim 12, wherein the outer-face of the reservoir is substantially planar.

20. The printing-fluid container of claim 12, wherein the outer-face of the reservoir is substantially upright.

21. The printing-fluid container of claim 12, wherein the first keying pocket and the second keying pocket are of substantially similar shape and orientation.

22. The printing-fluid container of claim 12, wherein the first keying pocket and the second keying pocket are vertically aligned on the outer face.

23. The printing-fluid container of claim 12, further comprising an air-interface and an ink-interface.

24. The printing-fluid container of claim 12, further comprising an alignment pocket recessed from the outer-face of the reservoir and configured to guide the first keying pocket into a position to engage the first key post.

5 25. The printing-fluid container of claim 12, further comprising a first alignment pocket substantially horizontally aligned with the first keying pocket and a second alignment pocket substantially horizontally aligned with the second keying pocket, wherein the first alignment pocket and the second alignment pocket are recessed from the outer-face of the reservoir and configured to
10 receive outwardly-extending alignment members to guide the first keying pocket into a position to engage the first key post and to guide the second keying pocket into a position to engage the second key post.

26. The printing-fluid container of claim 25, further comprising a first
15 fluidic interface and a second fluidic interface, wherein the first alignment pocket, second alignment pocket, first fluidic interface, and second fluidic interface are substantially vertically aligned along a central vertical axis of the outer face.

27. The printing-fluid container of claim 25, further comprising an
20 electrical interface, wherein the first alignment pocket, the first keying pocket and the electrical interface are substantially horizontally aligned.

28. The printing-fluid container of claim 12, wherein the outer-face is a
25 leading surface adapted to be laterally installed into the printing-fluid container bay.

29. A printing-fluid container, comprising:
reservoir means for holding a printing fluid; and
redundant keying means recessed into the reservoir means for restrictively
30 mating to key posts associated with printing-fluid container bays adapted to receive the printing fluid held in the reservoir means.

30. A printing-fluid container, configured for insertion into a printing-fluid container bay, the printing-fluid container comprising:

a leading surface;

a first alignment pocket recessed into the leading surface; and

5 a second alignment pocket recessed into the leading surface;

wherein the first alignment pocket is configured to mate with a first outwardly-extending alignment member of the printing-fluid container bay, and the second alignment pocket is configured to mate with a second outwardly-extending alignment member of the printing-fluid container bay.

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31. The printing-fluid container of claim 30, wherein the first alignment pocket and the second alignment pocket are respectively configured to cooperate with the first outwardly-extending alignment member and the second outwardly-extending alignment member to guide the printing-fluid container into a desired position with a desired orientation.

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32. The printing-fluid container of claim 30, further comprising an air-interface and an ink-interface.

20 33. The printing-fluid container of claim 32, wherein a single vertical axis intersects the air-interface, ink-interface, first alignment pocket, and second alignment pocket.

25 34. The printing-fluid container of claim 33, wherein the vertical axis bisects the leading surface.

35. The printing-fluid container of claim 33, wherein the first alignment pocket and the second alignment pocket are positioned intermediate the ink-interface and the air-interface.

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36. The printing-fluid container of claim 32, wherein a distance between the first alignment pocket and the air-interface is substantially equal to a distance between the second alignment pocket and the ink-interface.

5 37. The printing-fluid container of claim 30, further comprising an electrical interface horizontally aligned with the first alignment pocket.

38. The printing-fluid container of claim 30, further comprising a first
keying pocket horizontally aligned with the first alignment pocket and a second
10 keying pocket horizontally aligned with the second alignment pocket, wherein the first keying pocket and the second keying pocket are recessed from the outer-face of the reservoir and configured to prevent the printing-fluid container from being seated in a printing-fluid container bay adapted to extract a printing fluid other than a printing fluid held within the printing-fluid container.

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39. The printing-fluid container of claim 30, wherein the leading surface is adapted to be laterally installed into the printing-fluid container bay.

40. The printing-fluid container of claim 30, wherein the first alignment
20 pocket includes tapered sidewalls.

41. The printing-fluid container of claim 40, wherein the second alignment pocket includes tapered sidewalls.

25 42. The printing-fluid container of claim 30, wherein the first alignment pocket recesses substantially normal to the leading surface.

43. The printing-fluid container of claim 42, wherein the second alignment pocket recesses substantially normal to the leading surface.

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44. The printing-fluid container of claim 30, wherein the first alignment pocket recesses at least 15 millimeters from the leading surface.

45. The printing-fluid container of claim 44, wherein the second
5 alignment pocket recesses at least 15 millimeters from the leading surface.

46. The printing-fluid container of claim 30, wherein the first alignment pocket has a substantially rectangular opening.

10 47. The printing-fluid container of claim 46, wherein the second alignment pocket has a substantially rectangular opening.

48. The printing-fluid container of claim 30, wherein the first alignment pocket and the second alignment pocket are of substantially similar size and
15 shape.

49. A printing-fluid container configured for installation into a printing-fluid container bay, the printing-fluid container comprising:

a leading surface;

20 redundant alignment means for guiding the printing-fluid container into a seated orientation in the printing-fluid container bay, wherein the redundant alignment means are aligned along an upright central axis of the leading surface.

50. The printing-fluid container of claim 49, wherein the redundant
25 alignment means are recessed from the leading surface.

51. A redundantly aligned printing-fluid container configured for installation into a printing-fluid container bay that includes a seat, an outwardly-extending alignment member, and first and second fluid connectors, the printing-fluid container comprising:

5 a reservoir including a leading surface having an outer perimeter, wherein the outer perimeter provides a first alignment by conditionally engaging the seat based on proper printing-fluid container orientation;

a pocket, interior the outer perimeter of the leading surface, wherein the pocket provides a second alignment by conditionally receiving the outwardly-extending alignment member based on proper printing-fluid container orientation;
10 and

first and second printing-fluid interfaces, interior the outer perimeter of the leading surface, wherein the first and second printing-fluid interfaces are respectively configured to conditionally receive the first and second fluid
15 connectors upon successful first and second alignments.

52. A printing-fluid container configured for installation into a printing-fluid container bay that includes a top fluid connector, a bottom fluid connector, and an outwardly-extending structure below the top fluid connector and above the
20 bottom fluid connector, the printing-fluid container comprising:

a reservoir including a leading surface having an outer perimeter that includes a top portion and a bottom portion;

an air-interface positioned on the leading surface near the top portion of the outer perimeter, wherein the air-interface is configured to receive the top fluid
25 connector;

an ink-interface positioned on the leading surface near the bottom portion of the outer perimeter, wherein the air-interface is configured to receive the bottom fluid connector; and

wherein a portion of the leading surface below the air-interface and above
30 the ink-interface is configured to accept the outwardly-extending structure so that the printing-fluid container can be seated in the printing-fluid container bay.

53. The printing-fluid container of claim 52, wherein the portion of the leading surface below the air-interface and above the ink-interface includes a plurality of alignment pockets that are configured to accept plural outwardly-extending alignment members so that the printing-fluid container can be seated in
5 the printing-fluid container bay.

54. The printing-fluid container of claim 52, wherein the portion of the leading surface below the air-interface and above the ink-interface includes a plurality of keying pockets that are configured to accept plural outwardly-
10 extending key posts so that the printing-fluid container can be seated in the printing-fluid container bay.

55. A printing-fluid supply, comprising:
a first printing-fluid container including an ink interface, an air interface,
15 exactly one alignment pocket, and exactly one keying pocket; and
a second printing-fluid container including an ink interface, an air interface, redundant alignment pockets, and redundant keying pockets;
wherein the first printing-fluid container and the second printing-fluid container are configured to deliver printing-fluid to a single printhead assembly.